

221513US0PCT

IN THE UNITED STATES PATENT & TRADEMARK OFFICE

4A
HB
9/12/02

IN RE APPLICATION OF

RYOICHI SAKAUE ET AL

SERIAL NO: 10/088,524

FILED: APRIL 1, 2002

FOR: METHOD OF ASSAYING
GLYCATED PROTEIN

: EXAMINER:

: GROUP ART UNIT:

PRELIMINARY AMENDMENT

ASSISTANT COMMISSIONER FOR PATENTS
WASHINGTON, D.C. 20231

SIR:

Prior to examination on the merits, please amend the above-identified application as

follows:

IN THE TITLE

Please replace the title on page 1, line 1 with the following:

--METHOD OF ASSAYING GLYCOPROTEIN--

IN THE SPECIFICATION

Please replace the paragraph on page 3, lines 4-13 with the following paragraph:

At present, methods proposed for assaying glycated hemoglobin (HbA1c) include a

method in which glycated hemoglobin is directly assayed in that state by electrospray-

ionization mass spectrometry (Clinical Test, 42, 340-343 (1997)), a method in which

endoproteinase Glu-C is allowed to act on glycated hemoglobin, a liberated α -glycated

hexapeptide derived from β -subunit (α -amino group of an amino acid at the amino terminus of

hexapeptide is glycated) is fractionated by reversed phase high performance liquid

chromatography, and the content thereof is determined through mass spectrometry analysis to